

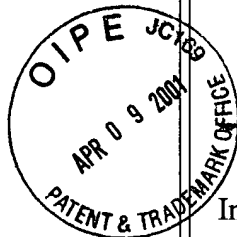
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April 5, 2001

TOWNSEND and TOWNSEND and CREW LLP

By: 

#21
Amended
PATENT
Attorney Docket No.: 17634-000320US
Client Reference No.: E-089-97/2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Brian R. Murphy et al.

Application No.: 09/083,793

Filed: May 22, 1998

For: PRODUCTION OF ATTENUATED
PARAINFLUENZA VIRUS VACCINES
FROM CLONED NUCLEOTIDE
SEQUENCES

Examiner: M. Mosher

Art Unit: 1641

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AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231


Sir:

In response to the Office Action mailed October 5, 2000, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Please amend the specification as follows:

Please replace the paragraph beginning at page 27, line 12, with the following rewritten paragraph:


~~At~~In one aspect of the invention, mutations occurring in biologically derived, attenuated PIV are identified and introduced individually or in combination into a full-length PIV clone, and the phenotypes of rescued recombinant viruses containing the introduced mutations are determined. In exemplary embodiments, amino acid changes displayed by biologically derived mutant viruses over a wild-type PIV, for example changes exhibited by